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| 0               | For receiving Office use only   | 9   |
|-----------------|---|---|
| 0-1             | International Application No.   |   |
| 0-2             | International Filing Date   | _   |
| 0-3             | Name of receiving Office and "PCT International Application"  |   |
| 0-4             | Form - PCT/RO/101 PCT Request   |   |
| 0-4-1           | Prepared using  | PCT-EASY Version 2.91   |
| <del></del> -1  | r repared using   | (updated 01.01.2001)  |
| 0-5             | Petition  | (4944554 51:51:2551)  |
|                 | The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty |   |
| 0-6             | Receiving Office (specified by the applicant)   | Japanese Patent Office (RO/JP)  |
| 0-7             | Applicant's or agent's file reference   | S279P3P109WO  |
| I               | Title of invention  | INK JET PRINTER HEAD, MANUFACTURING METHOD THEREOF, AND POLYCYLIC THIOL COMPOUNDS |
| II              | Applicant   |   |
| II-1            | This person is:   | applicant only  |
| II-2            | Applicant for   | all designated States except US   |
| 11-4            | Name  | SEIKO EPSON CORPORATION   |
| 11-5            | Address:  | 4-1, Nishishinjuku 2-chome  |
|                 |   | Shinjuku-ku, Tokyo 163-0811<br>Japan  |
| II-6            | State of nationality  | JP  |
| II-7            | State of residence  | 115   |
| II-8            | Telephone No.   | 03-3348-3114  |
| 11-9            | Facsimile No.   | 03-3340-4258  |
| III-1           | Applicant and/or inventor   |   |
| III-1-1         | This person is:   | applicant and inventor  |
| III-1-2         | Applicant for   | US only   |
| III-1 <b>-4</b> | Name (LAST, First)  | FUKUSHIMA, Hitoshi  |
| III-1-5         | Address:  | c/o: SEIKO EPSON CORPORATION  |
|                 |   | 3-5, Owa 3-chome  |
|                 |   | Suwa-shi, Nagano 392-8502   |
|                 |   | Japan   |
|                 |   | · -   |
| III-1-6         | State of nationality  | JP  |

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| III-2   | Applicant and/or inventor  |   |  |  |
|---------|--|---|--|--|
| III-2-1 | This person is:  | applicant and inventor                        |  |  |
| III-2-2 | Applicant for  | US only                                       |  |  |
| III-2-4 | Name (LAST, First)   | MIYASHITA, Satoru                             |  |  |
| III-2-5 | Address:   | c/o: SEIKO EPSON CORPORATION                  |  |  |
|         |  | 3-5, Owa 3-chome                              |  |  |
|         |  | Suwa-shi, Nagano 392-8502                     |  |  |
|         |  | Japan   |  |  |
| III-2-6 | State of nationality   | JP_   |  |  |
| 111-2-7 | State of residence   | JP  |  |  |
| IV-1    | Agent or common representative; or   |   |  |  |
|         | address for correspondence The person identified below is                      | agent   |  |  |
|         | hereby/has been appointed to act on  | agent   |  |  |
|         | behalf of the applicant(s) before the competent International Authorities as:  |   |  |  |
| IV-1-1  | Name (LAST, First)   | INABA, Yoshiyuki                              |  |  |
| IV-1-2  | Address:   | TMI ASSOCIATES, Suite 803                     |  |  |
|         |  | 37 Mori Building, 5-1, Toranomon              |  |  |
|         |  | 3-chome                                       |  |  |
|         |  | Minato-ku, Tokyo 105-0001                     |  |  |
|         |  | Japan   |  |  |
| IV-1-3  | Telephone No.  | 03-5472-8511                                  |  |  |
| IV-1-4  | Facsimile No.  | 03-5472-0866                                  |  |  |
| IV-2    | Additional agent(s)  | additional agent(s) with same address as      |  |  |
|         | <b>.</b>   | first named agent                             |  |  |
| IV-2-1  | Name(s)  | TANAKA, Katsuro; OHGA, Shinji                 |  |  |
| V       | Designation of States  |   |  |  |
| V-1     | Regional Patent (other kinds of protection or treatment,                       | EP: AT BE CH&LI CY DE DK ES FI FR GB GR       |  |  |
|         | if any, are specified between parentheses after the designation(s)             | IE IT LU MC NL PT SE TR and any other         |  |  |
|         | concerned)   | State which is a Contracting State of         |  |  |
|         |  | the European Patent Convention and of the PCT |  |  |
| V-2     | National Patent  | US US   |  |  |
|         | (other kinds of protection or treatment,                                       |   |  |  |
|         | if any, are specified between parentheses after the designation(s)             |   |  |  |
| V-5     | concerned)   |   |  |  |
| V-5     | Precautionary Designation Statement  |   |  |  |
|         | In addition to the designations made under items V-1, V-2 and V-3, the         |   |  |  |
|         | applicant also makes under Rule 4.9(b) all designations which would be         |   |  |  |
|         | permitted under the PCT except any   |   |  |  |
|         | designation(s) of the State(s) indicated under item V-6 below. The applicant   |   |  |  |
|         | declares that those additional   |   |  |  |
|         | designations are subject to confirmation and that any designation which is not |   |  |  |
|         | confirmed before the expiration of 15  |   |  |  |
|         | months from the priority date is to be regarded as withdrawn by the applicant  |   |  |  |
|         | at the expiration of that time limit.  |   |  |  |

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| V-6           | Exclusion(s) from precautionary designations  | NONE 2                     |                             |  |  |  |
|---------------|---|----------------------------|-----------------------------|--|--|--|
| /I-1          | Priority claim of earlier national application  | _3'                        |                             |  |  |  |
| /I-1-1        | Filing date   | 11 November 1999 (11       | .11.1999)                   |  |  |  |
| /I-1-2        | Number  | 11-320466                  |                             |  |  |  |
| /I-1-3        | Country   | JP                         |                             |  |  |  |
| /1-2          | Priority claim of earlier national  |                            |                             |  |  |  |
| /1-2-1        | application Filing date   |                            | 44 0000                     |  |  |  |
|               | 1 -   | 09 November 2000 (09       | .11.2000)                   |  |  |  |
| /1-2-2        | Number  | 2000-342019                | 2000-342019                 |  |  |  |
| /1-2-3        | Country   | JP                         |                             |  |  |  |
| /I-3          | Priority document request   |                            |                             |  |  |  |
|               | The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s): | VI-1, VI-2                 |                             |  |  |  |
| /II-1         | International Searching Authority Chosen  | Japanese Patent Offi       | ce (JPO) (ISA/JP)           |  |  |  |
| /111          | Check list  | number of sheets           | electronic file(s) attached |  |  |  |
| III-1         | Request   | 4                          | -                           |  |  |  |
| III-2         | Description   | 22                         | -                           |  |  |  |
| /III-3        | Claims  | 3                          | _                           |  |  |  |
| <b>'III-4</b> | Abstract  | 1                          | -                           |  |  |  |
| /III-5        | Drawings  | 12                         | -                           |  |  |  |
| 111-7         | TOTAL   | 42                         |                             |  |  |  |
|               | Accompanying items  | paper document(s) attached | electronic file(s) attached |  |  |  |
| /III-8        | Fee calculation sheet   | ✓                          | -                           |  |  |  |
| /III-16       | PCT-EASY diskette   | _                          | diskette                    |  |  |  |
| /III-18       | Figure of the drawings which should accompany the abstract  | <no.></no.>                | <del></del>                 |  |  |  |
| /III-19       | Language of filing of the international application   | Japanese                   |                             |  |  |  |
| X             | Signature of applicant or agent   |                            |                             |  |  |  |
| X-1           | Name (LAST, First)  |                            |                             |  |  |  |
|               |   | 1                          |                             |  |  |  |

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| 10-1   | Date of actual receipt of the purported international application   |  |
|--------|---|--|
| 10-2   | Drawings:   |  |
| 10-2-1 | Received  |  |
| 10-2-2 | Not received  |  |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application |  |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)  |  |

4/4

### **PCT REQUEST**

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S279P3P109WO

| 10-5 | International Searching Authority  | ISA/JP   |  |
|------|------------------------------------|----------|--|
| 10-6 | Transmittal of search copy delayed | -Si )    |  |
|      | until search fee is paid           | <u> </u> |  |

# FOR INTERNATIONAL BUREAU USE ONLY

| 11-1 | Date of receipt of the record copy by |  |  |
|------|---------------------------------------|--|--|
|      | the International Bureau              |  |  |